

**LPA PANELBOARD** 208Y/120V, 3PH, 4W 225 A MLO (65K) AIC, SERIES RATED SURFACE, NEMA 1 GROUND BAR

LOCATION: RECEIVING / UTILITY 46  
 SUPPLY FROM: MDP 200 A  
 UPSTREAM OCPD: 200 A  
 SERVES: CPI TO PROVIDE A PLACARD INDICATING AN ENGINEERED SERIES COMBINATION SYSTEM PER NEC 110.22B

CKT	Circuit Description	Wire	Trip	Poles	A	B	C	Poles	Trip	Wire	Circuit Description	CKT
1	SINGLE COFFEE BREWER(4)	10	30 A	2	2.05	1.62	2.05	1.62	2	30 A	FROZEN BEVERAGE DISPENSER(4)	2
3	---	---	---	---	---	---	---	---	---	---	---	4
5	SINGLE COFFEE BREWER(4)	10	30 A	2	2.05	1.90	2.05	1.90	1	15 A	COUNTERTOP ICE DISPENSER(4)	6
7	---	---	---	---	---	---	---	---	---	---	---	8
9	SINGLE COFFEE BREWER(4)	10	30 A	2	2.05	1.90	2.05	1.90	1	15 A	CHILL ZONE ICE CUBE MACHINE(2)	10
11	---	---	---	---	---	---	---	---	---	---	---	12
13	FROZEN COFFEE DISPENSER(4)	12	20 A	1	1.44	0.77	1.44	1.02	1	15 A	FREAL MILK SHAKE BLENDER(4)	14
15	FROZEN COFFEE DISPENSER(4)	12	20 A	1	1.44	0.77	1.44	1.02	1	15 A	CHILL ZONE ICE CUBE MACHINE(2)	16
17	NITRO COLD BREW(4)	12	15 A	1	0.54	0.78	0.54	0.78	1	15 A	FROZEN BEVERAGE FREEZER(4)	18
19	COFFEE/TEA BREWER(4)	12	15 A	1	1.68	1.68	1.68	1.68	1	15 A	CHILL ZONE SODA DISPENSER(4)	20
21	COFFEE/TEA BREWER(4)	12	15 A	1	1.68	1.02	1.68	1.02	1	20 A	CHILL ZONE SODA DISPENSER(4)	22
23	SPACE	---	---	---	---	---	---	---	---	---	---	24
25	COFFEE/TEA BREWER(4)	12	15 A	1	1.68	0.18	1.68	0.18	1	20 A	PREP ISLAND RECEPTS/LIGHT(2,6)	26
27	COFFEE/TEA BREWER(4)	12	15 A	1	1.68	0.18	1.68	0.18	1	20 A	ROLLER GRILL	28
29	UTILITY ROOM ICE MAKER(4)	12	20 A	1	1.72	0.07	1.72	0.07	1	20 A	PREP ISLAND SUGAR DISP(6)	30
31	6 FLAVOR CAPP. MACHINE	12	20 A	1	1.80	0.07	1.80	0.07	1	20 A	SANDWICH CASE(2,6)	32
33	SURESHOT MILK & CREAM DISP(4)	12	20 A	1	0.48	0.07	0.48	0.07	1	20 A	SANDWICH CASE(2,6)	34
35	SMOOTHIE MACHINE(4)	12	20 A	1	1.32	0.79	1.32	0.79	2	30 A	WATER FILTER PUMP	36
37	COFFEE BAR ICE DISPENSER(4)	12	20 A	1	0.34	0.79	0.34	0.79	2	30 A	---	38
39	COFFEE BAR ICE MAKER(4)	12	20 A	1	0.13	3.35	0.13	3.35	2	30 A	SPECIALTY COFFEE MACHINE(4)	40
41	SPECIALTY COFFEE FRIDGE(4)	12	15 A	1	0.20	3.35	0.20	3.35	---	---	---	42
<b>TOTAL CONNECTED KVA:</b>					18.05 KVA	18.67 KVA	18.05 KVA	18.67 KVA	---	---	---	---
<b>TOTAL CONNECTED AMPS:</b>					154.35 A	159.52 A	154.35 A	159.52 A	---	---	---	---

PER NEC ARTICLE 220

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	TOTAL DEMAND	PANEL TOTALS
CONTINUOUS	0.00 kVA			
NON-CONTINUOUS	0.00 kVA			<b>TOTAL CONN. LOAD: 51.70 kVA</b>
LIGHTING	0.00 kVA			<b>TOTAL DEMAND LOAD: 37.58 kVA</b>
RECEPTACLES	3.31 kVA	100.00%	3.31 kVA	<b>TOTAL CONN. CURRENT: 144 A</b>
MOTORS	2.36 kVA	100.00%	2.36 kVA	<b>TOTAL DEMAND CURRENT: 104 A</b>
KITCHEN	40.36 kVA	65.00%	26.23 kVA	
REFRIGERATION	5.66 kVA	100.00%	5.66 kVA	
HVAC COOL	0.00 kVA	100.00%	0.00 kVA	
HVAC HEAT	0.00 kVA	0.00%	0.00 kVA	

**LPB PANELBOARD** 208Y/120V, 3PH, 4W 225 A MLO (65K) AIC, SERIES RATED SURFACE, NEMA 1 GROUND BAR

LOCATION: RECEIVING / UTILITY 46  
 SUPPLY FROM: MDP 200 A  
 UPSTREAM OCPD: 200 A  
 SERVES: CPI TO PROVIDE A PLACARD INDICATING AN ENGINEERED SERIES COMBINATION SYSTEM PER NEC 110.22B

CKT	Circuit Description	Wire	Trip	Poles	A	B	C	Poles	Trip	Wire	Circuit Description	CKT
1	FREER/COOLER LIGHTS(7)	12	20 A	1	0.78	3.10	1.11	3.10	2	30 A	ACCELERATED WARMING OVEN(4)	2
3	RECEIVING STORAGE	---	---	---	---	---	---	---	---	---	---	4
5	BOLLARD LIGHTS(2,6,7)	12	20 A	1	0.21	3.10	0.31	3.10	2	30 A	ACCELERATED WARMING OVEN(4)	6
7	NIGHT LIGHTING(3)	12	20 A	1	---	---	---	---	---	---	---	8
9	ATTIC LIGHTING(7)	12	20 A	1	---	---	---	---	1	20 A	MICROWAVE(4)	10
11	RETAIL - ZONE 2 LIGHTING(2,7)	12	20 A	1	---	---	---	---	1	20 A	AIR TOWER(2,4,6)	12
13	RETAIL - ZONE 3 LIGHTING(2,7)	12	20 A	1	0.86	0.94	1.01	0.90	1	15 A	UNDERCOUNTER FRIDGE(4)	14
15	RETAIL - ZONE 1 LIGHTING(2,7)	12	20 A	1	1.80	0.86	1.80	0.86	1	15 A	1-DOOR UPRIGHT COOLER	16
17	GAS CANOPY LIGHTING(2,6,7)	10	20 A	1	1.28	1.55	1.10	0.91	1	15 A	1-DOOR UPRIGHT FREEZER (4)	18
19	GAS CANOPY LIGHTING(2,6,7)	10	20 A	1	1.28	1.55	1.10	0.91	2	20 A	PIZZA DISPLAY CASE	20
21	PYLON SIGN (PRICE SIGN)(2,6)	10	20 A	1	0.90	1.55	0.90	1.55	---	---	---	22
23	PYLON SIGN (PRICE SIGN)(2,6)	10	20 A	1	0.90	1.55	0.90	1.55	---	---	---	24
25	EXT. PERIMETER LTS/SIGNS(2,7)	12	20 A	1	0.83	0.72	0.83	0.72	1	15 A	12 HOTDOG/BUN WARMER	26
27	INTERIOR SIGNAGE	12	20 A	1	0.00	1.00	0.00	1.00	1	15 A	REFRIG CONDIMENT BAR(2,6)	28
29	SITE POLE LIGHTING(2,6,7)	10	20 A	1	0.53	0.18	0.53	0.18	1	20 A	CHILI CHEESE DISP (6)	30
31	SITE POLE LIGHTING(2,6,7)	10	20 A	1	0.53	0.18	0.53	0.18	1	20 A	LABEL MAKER (4)	32
33	PYLON SIGN/MESSAGE	10	20 A	1	0.90	0.00	0.90	0.00	1	20 A	SANDWICH CASE(2)	34
35	MOTORIZED SHADES	12	20 A	1	0.54	0.94	0.54	0.94	1	15 A	LIGHTING CONTACTOR(11)	36
37	PYLON SIGN GOOSENECKS(2,6,7)	10	20 A	1	0.90	0.36	0.90	0.36	1	20 A	UNDERCOUNTER FREEZER(4)	38
39	ACCELERATED WARMING OVEN(4)	10	30 A	2	3.10	0.16	3.10	0.16	1	20 A	12 HOTDOG/BUN WARMER	40
41	---	---	---	---	---	---	---	---	1	20 A	EF-(2)2	42
<b>TOTAL CONNECTED KVA:</b>					15.33 kVA	16.35 kVA	15.33 kVA	16.35 kVA	---	---	---	---
<b>TOTAL CONNECTED AMPS:</b>					129.04 A	137.58 A	129.04 A	137.58 A	---	---	---	---

PER NEC ARTICLE 220

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	TOTAL DEMAND	PANEL TOTALS
CONTINUOUS	0.00 kVA			
NON-CONTINUOUS	0.00 kVA			<b>TOTAL CONN. LOAD: 46.01 kVA</b>
LIGHTING	10.46 kVA	125.00%	13.07 kVA	<b>TOTAL DEMAND LOAD: 40.04 kVA</b>
RECEPTACLES	0.90 kVA	100.00%	0.90 kVA	<b>TOTAL CONN. CURRENT: 128 A</b>
MOTORS	4.66 kVA	100.00%	4.66 kVA	<b>TOTAL DEMAND CURRENT: 111 A</b>
KITCHEN	25.01 kVA	65.00%	16.26 kVA	
REFRIGERATION	3.74 kVA	100.00%	3.74 kVA	
HVAC COOL	0.00 kVA	100.00%	0.00 kVA	
HVAC HEAT	0.00 kVA	0.00%	0.00 kVA	

**LPC PANELBOARD** 208Y/120V, 3PH, 4W 225 A MLO (65K) AIC, SERIES RATED SURFACE, NEMA 1 GROUND BAR

LOCATION: RECEIVING / UTILITY 46  
 SUPPLY FROM: MDP 200 A  
 UPSTREAM OCPD: 200 A  
 SERVES: CPI TO PROVIDE A PLACARD INDICATING AN ENGINEERED SERIES COMBINATION SYSTEM PER NEC 110.22B

CKT	Circuit Description	Wire	Trip	Poles	A	B	C	Poles	Trip	Wire	Circuit Description	CKT
1	SINGLE SOFT HEAT COFFEE(4)	10	30 A	2	2.05	10.00	2.05	10.00	3	110 A	WATER HEATER 30KW	2
3	---	---	---	---	---	---	---	---	---	---	---	4
5	SINGLE SOFT HEAT COFFEE(4)	10	30 A	2	2.05	1.08	2.05	1.08	1	20 A	REAR BACK & SIDE REC.(4)	6
7	---	---	---	---	---	---	---	---	---	---	---	8
9	DOUBLE SOFT HEAT COFFEE(4)	6	50 A	2	3.40	0.18	3.40	0.18	1	20 A	COFFEE BAR/FOOD PREP CONV.REC	10
11	---	---	---	---	---	---	---	---	---	---	---	12
13	DOUBLE SOFT HEAT COFFEE(4)	6	50 A	2	3.40	0.50	3.40	0.50	1	20 A	HATCO HOT HOODLIGHT	14
15	---	---	---	---	---	---	---	---	---	---	---	16
17	UTILITY ROOM REPAIR OUTLET	10	30 A	2	0.00	0.50	0.00	0.50	1	20 A	WALK-IN COOLER DOOR HEATER(2)	18
19	---	---	---	---	---	---	---	---	---	---	---	20
21	HATCO HOT SLIDE	12	20 A	1	0.36	1.00	0.36	1.00	1	20 A	WALK-IN COOLER DOOR HEATER(2)	22
23	ROOF RECEPTACLES	12	20 A	1	0.09	0.36	0.09	0.36	1	20 A	WALK-IN FREEZER DOOR HEATER(2)	24
25	ROOF LIGHTS	12	20 A	1	0.09	0.36	0.09	0.36	1	20 A	WALK-IN FREEZER DOOR HEATER(2)	26
27	RECIRCULATION PUMP	12	20 A	1	0.41	1.00	0.41	1.00	1	20 A	WALK-IN FREEZER DOOR HEATER(2)	28
29	HATCO HOT HOOD/LIGHT	12	20 A	1	1.00	0.30	1.00	0.30	1	20 A	WALK-IN FREEZER DOOR HEATER(2)	30
31	UTILITY ROOM REPAIR OUTLET	12	20 A	1	0.14	0.78	0.14	0.78	1	20 A	WALK-IN FREEZER DOOR HEATER(2)	32
33	WALK-IN FREEZER HEAT TRACE(2,5)	12	20 A	1	0.00	0.78	0.00	0.78	1	20 A	CHILL ZONE AIR COMPRESSOR	34
35	PIZZA DISPLAY CABINET(4)	12	20 A	1	1.44	0.78	1.44	0.78	1	20 A	CHILL ZONE AIR COMPRESSOR	36
37	HATCO HOT SLIDE	12	20 A	1	0.36	0.90	0.36	0.90	3	20 A	12 WALK-IN FREEZER CDU ACCU-14	38
39	HATCO HOT SLIDE	12	20 A	1	0.36	1.80	0.36	1.80	---	---	---	40
41	TRENCH SPRINKLERS(2)	12	15 A	1	0.54	1.80	0.54	1.80	---	---	---	42
<b>TOTAL CONNECTED KVA:</b>					23.17 kVA	25.08 kVA	23.17 kVA	25.08 kVA	---	---	---	---
<b>TOTAL CONNECTED AMPS:</b>					193.06 A	209.93 A	193.06 A	209.93 A	---	---	---	---

PER NEC ARTICLE 220

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	TOTAL DEMAND	PANEL TOTALS
CONTINUOUS	0.00 kVA			
NON-CONTINUOUS	1.80 kVA	100.00%	1.80 kVA	<b>TOTAL CONN. LOAD: 72.14 kVA</b>
LIGHTING	0.09 kVA	125.00%	0.11 kVA	<b>TOTAL DEMAND LOAD: 62.67 kVA</b>
RECEPTACLES	3.06 kVA	100.00%	3.06 kVA	<b>TOTAL CONN. CURRENT: 200 A</b>
MOTORS	2.34 kVA	100.00%	2.34 kVA	<b>TOTAL DEMAND CURRENT: 174 A</b>
KITCHEN	27.38 kVA	65.00%	17.80 kVA	
REFRIGERATION	5.40 kVA	100.00%	5.40 kVA	
HVAC COOL	30.00 kVA	100.00%	30.00 kVA	
HVAC HEAT	0.00 kVA	0.00%	0.00 kVA	

**LPD PANELBOARD** 208Y/120V, 3PH, 4W 225 A MLO (65K) AIC, SERIES RATED, (22K) AIC, FULLY RATED SURFACE, NEMA 1 GROUND BAR

LOCATION: RECEIVING / UTILITY 46  
 SUPPLY FROM: MDP 200 A  
 UPSTREAM OCPD: 200 A  
 SERVES: CPI TO PROVIDE A PLACARD INDICATING AN ENGINEERED SERIES COMBINATION SYSTEM PER NEC 110.22B

CKT	Circuit Description	Wire	Trip	Poles	A	B	C	Poles	Trip	Wire	Circuit Description	CKT
1	STORAGE FREEZER EVAP	12	20 A	2	0.09	1.55	0.09	1.55	2	15 A	SANDWICH CASE CDU ACCU-5	2
3	---	---	---	---	---	---	---	---	---	---	---	4
5	BEER CAVE CDU ACCU-12	10	30 A	3	2.52	1.55	2.52	1.55	2	15 A	SANDWICH CASE CDU ACCU-6	6
7	---	---	---	---	---	---	---	---	---	---	---	8
9	---	---	---	---	---	---	---	---	---	---	---	10
11	---	---	---	---	---	---	---	---	---	---	---	12
13	WALK-IN STORAGE FREEZER DF	12	20 A	2	0.09	1.56	0.09	1.56	2	15 A	SANDWICH CASE CDU ACCU-7	14
15	---	---	---	---	---	---	---	---	---	---	---	16
17	WALK-IN COOLER EVAPS	12	20 A	2	0.27	1.60	0.27	1.60	3	20 A	WALK-IN CLR STORAGE CDU ACCU-4	18
19	---	---	---	---	---	---	---	---	---	---	---	20
21	BEER CAVE EVAPS	20	20 A	2	0.18	1.80	0.18	1.80	---	---	---	22
23	---	---	---	---	---	---	---	---	---	---	---	24
25	DISPALY FREEZER EVAP DF	12	20 A	2	0.09	3.23	0.09	3.23	3	40 A	WALK-IN COOLER CDU ACCU-11	26
27	---	---	---	---	---	---	---	---	---	---	---	28
29	WALK-IN COOLER CDU ACCU-13	10	30 A	3	2.52	0.24	2.52	0.24	2	15 A	WALK-IN STORAGE FZR CDU ACCU-10	30
31	---	---	---	---	---	---	---	---	---	---	---	32
33	---	---	---	---	---	---	---	---	---	---	---	34
35	WALK-IN COOLER EVAPS	12	20 A	2	0.18	1.21	0.18	1.21	2	15 A	FBT CDU ACCU-2	36
37	---	---	---	---	---	---	---	---	---	---	---	38
39	SPARE	20	20 A	1	0.00	1.21	0.0					